MEBBIN STATE FOREST

TWEED RANGE

THE BAR MOUNTAIN

Mebbin (Hanging) Rock

Hanging Rock Creek

THE PINNACLE

SWIFTS ROAD

O'CONNORS ROAD

BULLOCKS HEAD ROAD

PINE PLOT ROAD

PEG IN STUMP ROAD

Burrill Creek

Byrrill Creek

Byrrill Creek Yards

FORTY RIDGE

CARNEY ROAD

CADELL ROAD

DEMON TREE ROAD

WALTERS ROAD

IRON BARK TREE ROAD

BOG ONION RD

O'BRIENS ROAD

Mount Burrell Yards and Dip

South Arm

Tweed River

Snake Creek

Sunday Creek

"Burrellea"

"Kunghurloo"

Kunghur Yards and Dip

"Claverdale"

Graveyard Creek Yards

Kunghur Creek

Brummies Lookout

STATE FOREST

KYOGLE 24 MI

NIMBIN 7 MI

AHQ/A2-7/3564

1:50,000

3 Miles

2000 3000 4000 Metres

4000 Yards

28°30'

153°15'

EDITION 1 - AAS
SERIES R 753

Prepared under the direction of the Chief of the General Staff, Australian Military Forces, by the Royal Australian Survey Corps as part of the national mapping programme. Survey control established by the Royal Australian Survey Corps. Compiled in 1967 from 1966 aerial photography with field revision 1967. Distributed to the Defence Services by the Royal Australian Survey Corps and to all other map users by the Department of National Development.

LEGEND

Built-up area
Road sealed surface first class; route marker
Road sealed surface second class; drawbridge
Road loose surface all weather; embankment
Road loose surface dry weather; cutting
Road unimproved earth; gate; cattle grid
Track, foot or pack; footbridge
Bridge road; bridge railway; tunnel railway
Railway multiple track; station; siding
Railway single track; station with siding
Light railway or tramway
Telephone line; power transmission line
Fence; stone wall; quarry
Mine; windpump; levee or dyke

Building (s); church; school
Post office; telegraph office; wireless transceiver — PO T W/T
Yards; cemetery; racecourse
Control point major, minor; astronomical
Bench mark; spot elevations in metres — BM·155 ·155
Mud; gravel; sand
Sand ridges; sand dunes
Contours with value; depression contours
Auxiliary contour; form lines
Cliff inland; cliff coastal
Forest medium, forest rain
Forest coniferous or pine plantation; scrub
Vineyard, orchard or plantation
Marsh or swamp; mangroves

Ricefields; dry lake or claypan
Lake; river or stream perennial
Lake; river or stream intermittent
Dam or weir; falls; rapids
Lock large, small; sluice gate
Drain or ditch perennial, intermittent
Spring perennial, intermittent; conduit elevated
Waterhole; water tank; dam
Breakwater; pier, dock or wharf
Fathom line; low water mark; lighthouse
Wreck sunken, exposed; vessel anchorage
Shoal with soundings
Rocks submerged, bare or awash
Reef, rocky or coral

BLACK NUMBERED LINES INDICATE THE 1,000 METRE U...
BLUE NUMBERED TICKS OUTSIDE THE NEATLINE INDICATE THE 1,...
BASED ON SYDNEY OBSERV...
THE LAST THR...

WOLLUMBIN STATE FOREST

Byrrill Creek

BYRRILL CREEK

MAYBERNE DIP

BYRRILL CREEK DIP

Cabbage Tree

Creek

CUTTERS

CAMP

TWIN STUMPS ROAD

PINE PLOT ROAD

PEG LEG STUMP ROAD

NATIONAL

K U N G H U R

BACKBLOCKS DIP

KUNGHURLOO SAWMILL

Kunghurloo

CARNEYS

LEMON TREE ROAD

FOREST

IRON BARK TREE RESERVE

ONION ROAD

O'BRIENS ROAD

HANGING ROCK ROAD

RIVER

TWEED

"Kunghurloo"

"Burrellea"

"Idlewyld"

WATTS DIP

G O O N I N B A R

MOUNT BURRELL DIP

MOUNT BURRELL ROAD

Snake Creek

Sundor Creek

GRAVEYARD CREEK DIP

"Cloverdale"

Kunghur Creek

MURWILLUMBAH 31km KUNGHUR 0.3km

KUNGHUR

16 17 18 19 20 21 22 23 24

KYOGLE 37km

MOUNT BURRELL 1km

28°30'00"

153°15'00"

10'

PTY LTD

CONTAMINATION ASSESSM

16
16

17
17

18
18

19
19

10′

KYOGLE 37km

ROCK ROAD

WATTS DIP

Kilometres

Magnetic North in 1970 was 10°36′ East of True North. Annual change +2′ until 1975.

True North at the centre of this sheet is 0°3′34″ east of Grid North

Dense timber; Medium timber ....

Scattered timber; Forest, coniferous or pine ....

Orchard or Plantation; Vineyard ....

Mangrove; Scrub ....

Marsh or Swamp; Land subject to inundation ....

Dam or tank; Well or bore; Spring; Lake perennial ....

River or stream perennial; Intermittent ....

Dam or weir; Rapids in large river ....

Stream or watercourse indefinite ....

Falls; Rapids in small river; Braided river ....

Lake intermittent; Lake dry ....

Irrigation canal; Drain ....

Breakwater ....

Anchorage, Pier or wharf ....

Wreck exposed; Marine railw

Reef; Rock shelf ....

Rock bare or awash; Lighth

Parish (Cadastral subdivision o

County boundary ....

Parish boundary ....

Shire boundary ....

State Forest; National Fo

State Park and Nation

Closed road; Portion

BRAYS
9541

TOPOGRA
1:25 000 SE
NEW SOUTH

PALEN CREEK 9541-24
COUGAL 9541-21
LAMINGTON 9541-34
GREVILLIA 9441-2-S
BRAYS CREE 9541-3-S
AFTERLEE 9440-1-N
NIMBIN 9540-4

Broken Hill

IMPORTA

CENT

BRAYS CREEK 9541-3-S

BYRRILL CREEK
CUTTERS CAMP ROAD
MEBBIN RECREATION AREA
Byrrill Creek
BYRILL CREEK DIP
Creek
WALTERS ROAD
TWIN STUMP ROAD
KANGAROO ROAD
CARNEYS ROAD
CADELL ROAD
LEMON TREE ROAD
IRON BARK TREE RESERVE
ATE FOREST
OBRIENS ROAD
KUNGHUR
Creek
TALLOWOODS DAM
"Mebbin Springs"
KUNGHURLOO SAWMILL
CENTRAL HILL
Kunghurloo
Nursery
MUDDY DAM
Antenna
TWEED RIVER
KUNGHUR DIP
MURWILLUMBAH 31km
KUNGHUR 1km
"Old Kunghurloo"
Sawmill
"Burrallea"
VILLAGE OF KUNGHUR
RIVER
TWEED
Caravan Park
MOUNT BURRELL DIP
GOONINBAR
Snake Creek
Sunday Creek
"Valley Park"
MOUNT BURRELL ROAD
"Idlewyld"
"The Glen"
WATTS DIP
Landing Ground
"Poockark Creek"
"Cloverdale"
GRAVEYARD CREEK DIP
KUNGHUR CREEK
Kunghur Creek
"Nunkerri"
"Gentlemens Gully"
"Carrickdale"
Yards

Pt 21
Pt 16
Pt 1
Pt 2
Pt 3
Pt 34
Pt 35
Pt 36
Pt 37

18
KYOGLE 37km
520
MOUNT BURRELL 1km
21
22
23
24
28° 30' 00"
153° 15' 00"
53
52
51
6850
49
48

BRAYS CREEK 9541-3-S

SCALE 1:25 000

CONTOUR INTERVAL 10 METRES

ELEVATIONS	To the nearest metre on the Australian Height Datum.
CONTROL	Geodetic Survey of New South Wales based on the Australian Geodetic Datum.
GRID	Australian Map Grid (U.T.M.) in 6° zones. Grid lines are shown at intervals of 1000 metres from False Origin - Zone 56. Integrated Survey Grid information shown along border in grey - Zone 56/2
PRODUCTION	Central Mapping Authority of New South Wales. Aerial photography 1979 Field revision 1985 Printing 1986
METEOROLOGICAL DATA	Bureau of Meteorology, Department of Science.
ACCURACY	Conforms to National Mapping Council standards. Although all care is taken in the preparation of this map, the Central Mapping Authority of New South Wales accepts no responsibility for any misprints, errors, omissions or inaccuracies.
ROADS	Depiction of roads and tracks does not necessarily indicate a public right of way. Unsealed roads may be impassable after rain. A cadastral road depicted in grey does not necessarily indicate an existing road on the ground.
NOMENCLATURE	Place names, as defined by the Geographical Names Act, 1966, are approved names.

WORLD GEODETIC SYSTEM

TO CONVERT WORLD GEODETIC SYSTEM 1972 TO AUSTRALIAN GEODETIC DATUM 1966 CO-ORDINATES, ON WHICH THIS MAP IS BASED:

Increase the numerical value of latitudes by 5.6", equivalent to 172m.

Decrease the numerical value of longitudes by 3.1" equivalent to 84m.

To obtain heights above mean sea level, decrease satellite heights by 35m.

UNIVERSAL GRID REFERENCE

GRID ZONE DESIGNATION: 56J

100 000 METRE SQUARE IDENTIFICATION: NP

IGNORE the SMALLER figures of any grid number; these are for finding the full co-ordinates. Use only the LARGER figures of the grid number; example: 325000

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METRES

SAMPLE POINT: Green Pigeon △ 677

1. Read letters identifying 100 000 metre square in which the point lies:	NP		
2. Locate first VERTICAL grid line LEFT of point and read LARGE figures labelling the line in either top or bottom margin:		09	
3. Estimate tenths from grid line to point:		5	
4. Locate first HORIZONTAL grid line BELOW point and read LARGE figures labelling the line in either the left or right margin:			48
5. Estimate tenths from grid line to point:			1
SAMPLE REFERENCE	NP095481		

If reporting beyond 18° in any direction, prefix with Grid Zone Designation, eg. 56JNP095481

Before giving a grid reference, civilian users should state the number and name of this map, e.g. 9541-3-S BRAYS CREEK 095481

Legend

Built-up area

Road sealed surface two or more lanes

Road sealed surface one lane

Road loose surface two or more lanes

Road loose surface one lane; Embankment; Cutting

Track vehicular; Gate; Stock grid; Foot track

Route markers: National; State; Freeway — 1 31 F4

Bridge; Culvert; Causeway; Kilometre post — 530

Railway multiple track; Station; Tunnel

Railway single track; Siding or loop

Light railway or tramway

Power transmission line; Telephone line; Underground — These services are connected to most dwellings on this map

Levee or dyke; Quarry or gravel pit

Building; School; Post Office; Police Station; Church — S PO PS C

Windpump; Mine; Heritage Feature; Telephone Exchange — T

Geodetic Station (with height) Landmark; Other — △870 ⊙33

Horizontal control point (with height) Landmark; Other — △907 ⊙59

Bench mark (with height); Spot height approximate — BM 105 ·578

Sand; Sand dunes; Sand ridges

Contours; Approximate contours — 500

Depression contours; Auxiliary contours — 200 65

Landslide; Rocky slope

Cliffs (with relative height); Rocky pinnacle — 36r

Eroded bank; Escarpment; Contour bank

Steep slope

Gilgai; Mud

Dense timber; Medium timber

Scattered timber; Forest, Coniferous or pine

Orchard, plantation or vineyard; Windbreak

Mangrove; Scrub

Perennial watercourse with rapids; Rocks

Intermittent watercourse with falls

Well or bore; Irrigation canal and drains

Large dam or weir; Rapids

Dam, waterhole or ground tank; Water tank; Spring

Wet; Dry swamp; Land subject to inundation

Perennial; Intermittent; Dry lake or watercourse

Breakwater

Bathymetric depths in metres; Jetty and wharf — 20

Wreck exposed; Anchorage; Slipway

Reef; Rock shelf

Rock bare or awash; Lighthouse; Rocky shoreline

Parish (Cadastral subdivision of the County) — NORTON

State boundary

County; Parish boundary

Shire boundary; Aboriginal Site (Public access)

State Forest; National Forest boundary

State Recreation Area; National Park boundary — R P

Deposited Plan and Lot number — 554528 16

Cadastral road; Portion and number — 9

Mine Subsidence Area; Catchment Area boundary — M C

KEY TO COUNTIES AND LOCAL GOVERNMENT AREAS

KYOGLE SHIRE

TWEED SHIRE

County of Rous

The grey information shown on the map is available as a separate cadastral map from the Central Mapping Authority of New South Wales, compiled 1982

RAINFALL

Annual Average 1557mm

mm: 350, 300, 250, 200, 150, 100, 50, 0

J F M A M J J A S O N D

TEMPERATURE

°C: 40, 30, 20, 10, 0, -10

J F M A M J J A S O N D

GN TN MN

GRID CONVERGENCE 0.1°

GRID/MAGNETIC ANGLE 11.5°

TRUE NORTH, GRID NORTH AND MAGNETIC NORTH ARE SHOWN DIAGRAMMATICALLY FOR THE CENTRE OF THE MAP. MAGNETIC NORTH IS CORRECT FOR 1986 AND MOVES EASTERLY BY 0.1° IN APPROXIMATELY THREE YEARS

SECOND FOLD, THIRD FOLD, FOURTH FOLD, FIFTH FOLD, LEGEND, COVER, SIXTH FOLD, COVER

9 313720 055320

CMA

Brays C

9541-
THIRD E

BRAYS CREEK 9541-3S

KUNGHUR

GOONINBAR

TWEED RIVER

KYOGLE ROAD

Byrrill Creek

BYRRILL CREEK

Kunghurloo Creek

CENTRAL HILL

TALLOWOODS DAM

MUDDY DAM

Mebbin Springs

LEMON TREE ROAD

CADELL ROAD

PLANTATION ROAD

FORTY SPURS ROAD

TWIN STUMP ROAD

OLD MILL ROAD

CUTTERS CAMP ROAD

O'BRIENS ROAD

MOUNT BURRELL ROAD

Burrellea

Carinya

Millstream

Snake Creek

Sunday Creek

Kunghur Creek

The Glen

Tembeka

Kiah Farm

Meadowbrook Farm

Mirrabooka

Vinhil

Gentlemans Gully

Carrickdale

picnic area

caravan park

sawmill

yards

MURWILLUMBAH 31km

KUNGHUR 1km

6850

6848000mN

18 19 520 21 22 23 524000mE

28°30'00"

Minor road: paved, unpaved
Vehicular track: Stock grid. Floodway
Four-wheel drive track: Gate
Walking track
Road tunnel. Culvert. Bridge
Railway, heavy. Station. Tunnel
Railway, light: Road underpass
silo yards — Landmark feature. Stockyards. Mine
Water tank or reservoir. Ground tank or dam
Werong △ 1215 — Survey landmark (with height)
• 846 — Spot height
1000 — Contours. Depression contours
176r — Cliff, with relative height. Rocky pinnacle
Quarry or gravel pit. Levee or dyke
Closed forest: 80-100% crown cover. Open forest: 50-80% crown cover
Woodland: 20-50% crown cover. Pine forest
Orchard, plantation or vineyard. Mangrove
Power transmission line (33kV and above)
Cableway
Pipeline, water. Pipeline, other
Perennial lake. Intermittent lake. Land subject to inundation
Wet swamp. Dry swamp
Intertidal flat. Sand
Intermittent stream, with waterfall
Perennial stream

APPENDIX F: AERIAL PHOTOGRAPHS

Cardno

Lot 34
DP755714

Lot 3
DP755714

Lot 4
DP737440

Lot 34
DP755714

Lot 121
DP134446

Lot 121
DP134446

Lot 121
DP134446

Lot 3
DP771335

Lot 3
DP771335

N

200 0 200 400 600 800 1000m
1:20,000

Aerial photographs sourced from Department of Lands NSW,
Land Administration & Management Property & Spatial Information (Murwillumbah)

LEGEND

Site boundary

Scale 1:20,000(A4)

FIGURE 2
AERIAL PHOTOGRAPH OF SITE - 1954

Rev: Orig. Date: 27 May 2008

Project No.: 3500/53

Peter Van Lieshout

PRINT DATE: 11 June, 2008 - 8:38am

CAD FILE: I:\3500-53\ACAD\Contaminated Land Assessment\Figure 2to8 - Historical Aerial Photography_v3.dwg
XREF's:

Offsite cattle dip

Saw mill 2

Cattle dip

Unknown

House 1 and sheds

500 m

Client: NCV ENTERPRISES PTY LTD		Site location: KYOGLE ROAD, MOUNT BURRELL / KUNGHUR, NEW SOUTH WALES	Real property description: MULTIPLE - REFER FIGURE 1		Drawing number: PAGE 1
					Drawing version: A
Project: PRELIMINARY SITE CONTAMINATION ASSESSMENT	Project number: PE2706.18	Scale: AS SHOWN	Drawn by: LM	Reviewed by: CB	Drawing title: 1962 AERIAL PHOTOGRAPH
			Date drawn: 19.03.2019	Approved: LM	N

PRECISE ENVIRONMENTAL
Consulting Environmental Scientists
Unit 7 / 14 Fremantle Street, Burleigh Heads, Qld, 4220
PO Box 4424, Robina Town Centre, Qld 4230
Ph: (07) 5593 7848 Fax: (07) 5593 7020
mail@preciseenvironmental.com.au

Offsite cattle dip

Saw mill 2

Cattle dip

House 1 and sheds

500 m

Client: NCV ENTERPRISES PTY LTD	Site location: KYOGLE ROAD, MOUNT BURRELL / KUNGHUR, NEW SOUTH WALES		Real property description: MULTIPLE - REFER FIGURE 1		Drawing number: PAGE 2
					Drawing version: A
Project: PRELIMINARY SITE CONTAMINATION ASSESSMENT	Project number: PE2706.18	Scale: AS SHOWN	Drawn by: LM	Reviewed by: CB	Drawing title: 1971 AERIAL PHOTOGRAPH
			Date drawn: 19.03.2019	Approved: LM	N

PRECISE ENVIRONMENTAL
Consulting Environmental Scientists
Unit 7 / 14 Fremantle Street, Burleigh Heads, Qld, 4220
PO Box 4424, Robina Town Centre, Qld 4230
Ph: (07) 5593 7848 Fax: (07) 5593 7020
mail@preciseenvironmental.com.au

Offsite cattle dip

Saw mill 2

Cattle dip

Piggery

House 1 and sheds

500 m

Client: NCV ENTERPRISES PTY LTD	Site location: KYOGLE ROAD, MOUNT BURRELL / KUNGHUR, NEW SOUTH WALES		Real property description: MULTIPLE - REFER FIGURE 1		Drawing number: PAGE 3
					Drawing version: A
Project: PRELIMINARY SITE CONTAMINATION ASSESSMENT	Project number: PE2706.18	Scale: AS SHOWN	Drawn by: LM	Reviewed by: CB	Drawing title: 1979 AERIAL PHOTOGRAPH
			Date drawn: 19.03.2019	Approved: LM	

N

PRECISE ENVIRONMENTAL
Consulting Environmental Scientists
Unit 7 / 14 Fremantle Street, Burleigh Heads, Qld, 4220
PO Box 4424, Robina Town Centre, Qld 4230
Ph: (07) 5593 7848 Fax: (07) 5593 7020
mail@preciseenvironmental.com.au

Offsite cattle dip

Shed 9 and 10 area

Saw mill 2

Cattle dip

Shed 4, 5 and 6 area

Piggery

UAGII 3057 153.10

House 1 and sheds

500 m

Client: NCV ENTERPRISES PTY LTD	Site location: KYOGLE ROAD, MOUNT BURRELL / KUNGHUR, NEW SOUTH WALES		Real property description: MULTIPLE - REFER FIGURE 1		Drawing number: PAGE 4
					Drawing version: A
Project: PRELIMINARY SITE CONTAMINATION ASSESSMENT	Project number: PE2706.18	Scale: AS SHOWN	Drawn by: LM	Reviewed by: CB	Drawing title: 1987 AERIAL PHOTOGRAPH
			Date drawn: 19.03.2019	Approved: LM	

N

PRECISE ENVIRONMENTAL
Consulting Environmental Scientists
Unit 7 / 14 Fremantle Street, Burleigh Heads, Qld, 4220
PO Box 4424, Robina Town Centre, Qld 4230
Ph: (07) 5593 7848 Fax: (07) 5593 7020
mail@preciseenvironmental.com.au

AERIAL PHOTOGRAPH SHOWING ALL OF SITE NOT AVAILABLE
NORTH BOUNDARY ALIGNMENT WITH PHOTOGRAPH AFFECTED BY IMAGE ANGLE

Client: NCV ENTERPRISES PTY LTD	Site location: KYOGLE ROAD, MOUNT BURRELL / KUNGHUR, NEW SOUTH WALES		Real property description: MULTIPLE - REFER FIGURE 1		Drawing number: PAGE 5
					Drawing version: A
Project: PRELIMINARY SITE CONTAMINATION ASSESSMENT	Project number: PE2706.18	Scale: AS SHOWN	Drawn by: LM	Reviewed by: CB	Drawing title: 1997 AERIAL PHOTOGRAPH
			Date drawn: 19.03.2019	Approved: LM	

PRECISE ENVIRONMENTAL
Consulting Environmental Scientists
Unit 7 / 14 Fremantle Street, Burleigh Heads, Qld, 4220
PO Box 4424, Robina Town Centre, Qld 4230
Ph: (07) 5593 7848 Fax: (07) 5593 7020
mail@preciseenvironmental.com.au

AERIAL PHOTOGRAPH SHOWING ALL OF SITE NOT AVAILABLE
NORTH BOUNDARY ALIGNMENT WITH PHOTOGRAPH AFFECTED BY IMAGE ANGLE

Offsite cattle dip

Saw mill 2

Cattle dip (not visible)

Shed 9 and 10 area

Shed 4, 5 and 6 area

Shed 7 and 8 area

Piggery

House 2 area

FS100 1/ 400

500 m

Client:	Site location:		Real property description:		Drawing number: PAGE 6
NCV ENTERPRISES PTY LTD	KYOGLE ROAD, MOUNT BURRELL / KUNGHUR, NEW SOUTH WALES		MULTIPLE - REFER FIGURE 1		Drawing version: A
Project: PRELIMINARY SITE CONTAMINATION ASSESSMENT	Project number: PE2706.18	Scale: AS SHOWN	Drawn by: LM	Reviewed by: CB	Drawing title: 2004 AERIAL PHOTOGRAPH
			Date drawn: 19.03.2019	Approved: LM	

N

PRECISE ENVIRONMENTAL
Consulting Environmental Scientists
Unit 7 / 14 Fremantle Street, Burleigh Heads, Qld, 4220
PO Box 4424, Robina Town Centre, Qld 4230
Ph: (07) 5593 7848 Fax: (07) 5593 7020
mail@preciseenvironmental.com.au